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UNIVERSITY OF ILLINOIS BULLETIN

Detailed information may be obtained by addressing inquiries as indicated below:

Graduate School of Library Science
329 Main Library
University of Illinois
Urbana, Illinois 61801

It is the policy of the University of Illinois to afford equal educational opportunities to qualified persons regardless of race, religion, sex, or ethnic background.

UNIVERSITY
OF ILLINOIS
BULLETIN

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UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

Contents

CALENDAR	3
THE LIBRARY PR	5
Opportuniti	6
THE GRADUATE	8
Facilities a	8
Features on	10
Students fro	12
FINANCIAL INFO	13
Fees and E	13
Fellowships,	13
Application	15
ACADEMIC PRO	16
Master of S	16
Sixth-Year D	18
Doctor of Ph	19
Doctor of Lil	22
Information	23
Program in	24
Undergraduc	24
ADMISSION REQ	26
Master of S	26
Sixth-Year D	27
Doctoral Pro	27
COURSES	29
FACULTY	35
INDEX	41

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All dates, courses, requirements, fees, etc., given in this catalog are subject to change at any time.

Calendar

SUMMER SESSION, 1974

Registration	June 10-11
Instruction begins.....	June 12
Independence Day (holiday).....	July 4
Beginning of 2d 4-week courses.....	July 8
Last day of instruction.....	August 1
Summer session exams.....	August 2-3

FIRST SEMESTER, 1974/75

Registration	August 21-23
Instruction begins.....	August 26
Labor Day (holiday).....	September 2
Thanksgiving holiday.....	November 27-December 1
Last day of instruction.....	December 12
Reading day.....	December 13
Semester exams.....	December 14-21

SECOND SEMESTER, 1974/75

Registration	January 15-17
Instruction begins.....	January 20
Spring vacation.....	March 22-30
Last day of instruction.....	May 8
Reading day.....	May 9
Semester exams.....	May 10-17
Graduation	May 18

SUMMER SESSION, 1975

Registration	June 9-10
Instruction begins.....	June 11
Independence Day (holiday).....	July 4
Beginning of 2d 4-week courses.....	July 7
Last day of instruction.....	July 31
Summer session exams.....	August 1-2

FIRST SEMESTER, 1975/76

Registration	August 21-23
Instruction begins.....	August 25
Labor Day (holiday).....	September 1
Thanksgiving holiday.....	November 26-30
Last day of instruction.....	December 10
Reading day.....	December 11
Semester exams.....	December 12-19

SECOND SEMESTER, 1975/76

Registration	January 14-16
Instruction begins.....	January 19
Spring vacation.....	March 13-21
Good Friday holiday.....	April 16-18
Last day of instruction.....	May 8
Semester exams.....	May 10-17
Graduation	May 16

SUMMER SESSION, 1976

Registration	June 7-8
Instruction begins.....	June 9
Independence Day (holiday).....	July 5
Beginning of 2d 4-week courses.....	July 6
Last day of instruction.....	July 29
Summer session exams.....	July 30-31

The Library Profession

Libraries have existed almost as long as written records; as documents accumulated, the need for a librarian emerged. Since ancient times, libraries and librarians have had the major responsibility for the acquisition and maintenance of recorded knowledge.

Today's libraries are more than warehouses however. Libraries are concerned with the collection, recording, preservation, organization, retrieval, dissemination, and transfer of knowledge, and the scope of these activities is continually expanding.

Knowledge, especially in the fields of science and technology, is accumulating rapidly. Not only is there a constant increase in the publication of books and other printed matter, but there is an accompanying expansion of all types of audio and visual material.

In order to keep abreast of this increase in recorded knowledge, today's librarian must be familiar with all forms of print and nonprint media, and must be able to utilize computers, communication principles, automation techniques, and information networks. Modern technology is developing sophisticated systems of information storage and retrieval. Experts in systems planning, automation concepts, and computer use are developing new and more efficient methods for providing library services.

There is a growing demand and need of library services for many different groups of people. To meet this demand, libraries are cooperating to pool resources, increase efficiency, and improve service. Public libraries are establishing regional and state systems, and academic and research libraries seek to coordinate their resources and services.

Libraries, especially public libraries, are inevitably concerned with the major problems of society. New programs are being initiated to meet the needs of the urban poor, the rural disadvantaged, minority groups, and those in prisons and hospitals.

The library profession involves commitment to the service of people and to the enrichment of human life. The work performed by librarians is interesting and infinitely varied. The daily impact of new conditions calls for alertness, adaptability, and the exercise of imagination and ingenuity.

For a career in library work, the student needs a sound, well-balanced intellectual background and an extensive knowledge of books. By its nature, the work of the librarian is far-ranging and encyclopedic in subject coverage, even in highly specialized libraries. History, literature, the social

sciences, the natural sciences, and foreign languages are all valuable to the prospective librarian. Such subjects as chemistry, physics, communications, mathematics, computer science, education, engineering, law, and public administration are particularly needed in modern library development. A master's degree in a subject field, in addition to one in library science, is advantageous in academic and research library work. The optimum knowledge of foreign languages varies with the type of library work to be performed.

OPPORTUNITIES

The availability of library careers at any one time must necessarily reflect the existing state of the nation's economy, and employment opportunities are greatest for students with excellent educational backgrounds and flexible geographic preferences.

There are several main types of library work for which students may prepare. They are by no means mutually exclusive, and in only the larger libraries can there be positions consisting of only one kind of work. One type of library work is reader services, which bring the librarian into direct relationship with library patrons. Duties include reference work, reading guidance and advisory service, and activities associated with the circulation of materials to readers. Another type is technical services. Main duties are selecting and acquiring materials for the library, and organizing, arranging, and indexing those materials so that they are easy to find and use. A third type of library work is administration, that is, finances, personnel administration, organization of departments and of the flow of work, public relations, and physical plant. In addition, within this general framework there is a need for librarians with special competencies in various fields, sometimes by type of material (government documents or films), sometimes by age of patron (children or young adults), and sometimes by subject matter (art or medicine). These broad classifications of duties are carried on in four main types of institutions:

1. Public Libraries. Generally, public libraries are those which circulate books for home use free of charge to anyone wishing to use the library services. However, they carry on many activities besides the dispensing of books. Public libraries may be organized in a single community, such as a town or city, but frequently they are set up on a larger basis, as is the county or regional library. In many cases the public library may have a traveling branch, bringing its resources to readers in a bookmobile.

2. School Libraries. These are the libraries and instructional materials centers connected with elementary and secondary schools. They are rapidly

growing in number and importance, and in recent years state and regional standards for them have steadily risen. In most states, a school librarian is also required to be a certified teacher.

3. Academic and Research Libraries. These include the libraries connected with colleges and universities, containing the study and research materials for the students and faculty of those institutions. They also include such large general research libraries as the New York Public Library and the Library of Congress.

4. Special Libraries. Under this heading are grouped the libraries associated with commercial and industrial establishments, hospitals, museums, professional schools, and many governmental agencies. They are usually relatively small in size, are restricted to one or a few subjects, and serve limited groups of readers.

The University of Illinois Graduate School of Library Science prepares librarians for all main types of service in all four different types of institutions.

The Graduate School of Library Science

The University of Illinois Graduate School of Library Science is an outgrowth of the first library school in the Middle West and the fourth such school in the United States. The year 1968 marked its seventy-fifth anniversary; it was founded in 1893 at Armour Institute in Chicago. Since 1897, when it moved to Urbana, it has been part of the University of Illinois, the longest continuous university affiliation of any library school in the United States.

It operates under the University of Illinois Graduate College on the Urbana-Champaign campus. Its master's degree program is accredited by the American Library Association (ALA). Its living alumni number over five thousand, many of whom are now in library work of various kinds throughout the United States and in foreign countries.

The purpose of the Graduate School of Library Science is to equip young men and women for professional work as described on pages 6 and 7. Preparation rests mainly on basic studies which are essential for any library position, although specialization is possible through the wide choice of courses and through the individual projects which may be developed in most courses. Programs of study are on the graduate level and lead to the degrees of Master of Science, Certificate of Advanced Study in Librarianship, Doctor of Philosophy, and Doctor of Library Science. The curricula leading to these degrees, together with the conditions for pursuing them, will be discussed later.

FACILITIES AND EQUIPMENT

The Graduate School of Library Science is located principally on the third floor of the main building of the University of Illinois Library. There it has classrooms, offices for faculty and administrative staff, and its own library.

LIBRARY FACILITIES

The University Library's resources for advanced study and research are outstanding. Its present collections now exceed 5,200,000 volumes, all but 630,000 of them located in Urbana. The remainder are held by the Library of the Health Sciences at the Medical Center, Chicago, and by the Chicago Circle Library. In addition, the University Library contains approximately 556,000 pamphlets, 410,000 maps and aerial photographs,

and 383,000 music scores and parts. It receives more than 71,000 serial publications.

The University Library maintains more than thirty departmental and divisional libraries, one of which is the Library Science Library. The Library Science Library consists of a current collection of over 14,000 volumes and thirty drawers of pamphlets, with older books and 25,000 annual reports of libraries available nearby in the stacks. It receives all periodicals concerned with library science, as well as numerous journals in the related fields of publishing, printing, book reviewing, communications, education, and visual aids. The holdings of the library have been assembled over many years and afford a liberal basis for research. Supplementing the printed resources are a number of microfilms of theses and other items.

LIBRARY RESEARCH CENTER

The Library Research Center was established in the Graduate School of Library Science in 1961 through the first of an annual grant of funds from the Illinois State Library. The original focus on applied research on public library problems has been broadened to include other types of libraries, as research funds have become available from sources such as the University of Illinois, the United States Office of Education, and the state libraries of Indiana, Missouri, New York, and Wisconsin. The center is located on the second floor of the Armory.

LEARNING RESOURCES LABORATORY

The Learning Resources Laboratory, which is located on the third floor of the main building of the University Library, contains instructional materials and audio-visual resources to support the effective development of the curricula of the Graduate School of Library Science. The laboratory provides equipment and personal aid to faculty and students who wish to use any of the various forms of instructional and audio-visual materials. The laboratory also maintains a collection of about 4,000 volumes for children and young people, on the first floor of the University Library.

PLACEMENT SERVICE

The Graduate School of Library Science provides a placement service for its students and alumni. It maintains files on all alumni which include evaluations by employers and teachers. It keeps in touch with libraries of different types and seeks to help graduates find the positions best suited to their abilities throughout their careers. The school cannot, however, guarantee positions.

FEATURES AND ACTIVITIES

COLLOQUIA

A number of colloquia are held each semester. They consist of talks and discussions by prominent librarians and other leaders associated with library interests. All students who are enrolled in the Graduate School of Library Science are encouraged to attend.

CONTINUING EDUCATION

The Graduate School of Library Science maintains, in conjunction with the Office for Continuing Education and Public Service, a continuing program of educational opportunities for librarians-in-service. These opportunities include institutes and clinics. One series of institutes is held each fall at Allerton House, the University's conference center near Monticello, and has covered such topics as the problems of libraries in metropolitan areas, federal legislation for libraries, trends in American publishing, and libraries and neighborhood information centers. A clinic held each spring at the Illini Union on the Urbana-Champaign campus focuses on case reports of the use of electronic data processing by various libraries around the country.

LIBRARIAN-IN-RESIDENCE

An additional opportunity for continuing education offered by the Graduate School of Library Science is the librarian-in-residence program. All librarians are eligible for this program. The applicant should submit to the director of the Graduate School of Library Science a proposed topic for study and the dates he would like to attend. If approved, he will be invited to spend up to two weeks on the campus.

The librarian-in-residence is provided a desk or an office, University Library loan and stack privileges, some typing or graduate assistant help, and possibly some computer time. He will be given the opportunity to meet and consult with the faculty members in this school (or in other departments of the University) who would appear to be best able to help him with his problem. He may attend any relevant on-going classes.

There is no tuition or other financial charge for any of these services. The librarian-in-residence will be asked to present a talk to the students and faculty of the school and to prepare a brief written report after his period of stay.

WINDSOR LECTURES

The Phineas L. Windsor Lectures in Librarianship were established by the school from money contributed by more than two thousand alumni.

This series of lectures is named in memory of Phineas L. Windsor, late director of the Graduate School of Library Science, whose retirement in 1940 terminated service of thirty-one years to the school and to education for librarianship.

PUBLICATIONS

Publications issued by the Graduate School of Library Science include:

Library Trends. A quarterly journal which summarizes and synthesizes the recent developments and research relating to a given field of library activity.

Occasional Papers. A processed pamphlet series on various subjects of professional interest, appearing irregularly and reproducing manuscripts which are unsuited to printing in library periodicals because of length, detail, or special nature.

Illinois Contributions to Librarianship. A series of hard-cover letterpress books covering particular aspects of library science.

Monographs. A book series containing both contemporary works on librarianship and reprints of library classics.

Windsor Lectures. The presentation in book form of the Phineas L. Windsor Lectures in Librarianship.

Allerton Park Institute Series. The papers in book form which were presented at the annual institutes on library problems.

Data Processing Clinic Proceedings. The papers in book form which were presented at the annual spring clinics on library applications of data processing.

BETA PHI MU

Alpha chapter of Beta Phi Mu, international honorary fraternity in library science, is located at the University of Illinois at Urbana-Champaign. Students maintaining a grade-point average of 4.75, who have completed the M.S. program, are eligible for membership.

ALUMNI ASSOCIATION

The University of Illinois Library School Association was organized in 1898 to advance the interests of the Graduate School of Library Science and to promote communication among its members. Reunions and meetings are held each year, at conferences of the American Library Association. The alumni association has endowed the Katharine L. Sharp Fellowship and the Phineas L. Windsor Lectures in Librarianship, and it has also raised money for other purposes.

AWARDS

1. Anne M. Boyd Award — established by Alpha Chapter of Beta Phi Mu in honor of former faculty member Anne M. Boyd and given to the student selected by a vote of the faculty who is judged outstanding for his interest in and knowledge of books.
2. S. R. Shapiro Award — two awards given annually by New York book dealer S. R. Shapiro to M.S. students who in the opinion of the faculty exhibit the greatest potential as librarians.
3. Frances B. Jenkins Award — given by vote of the faculty to the outstanding student in science librarianship, in honor of former faculty member Frances B. Jenkins.
4. Berner-Nash Award — established in memory of Dr. William Berner and Dr. William Nash, both recipients of the Ph.D. in library science from the University of Illinois, and given to that doctoral graduate each year whose dissertation is judged by the doctoral committee to be the most outstanding.
5. Donald G. Wing Award — given in honor of the famous American bibliographer to the M.S. student whose paper is judged by a faculty committee to be the best of the year on a bibliographic subject.

STUDENTS FROM OTHER COUNTRIES

The Graduate School of Library Science has for many years attracted students from other countries. Persons from other countries who wish to enroll in a degree program at this school must meet the same admission requirements as United States citizens. In addition, they must demonstrate an acceptable level of proficiency in the English language (see admission requirements for the appropriate degree) and preferably have had at least one year of library work experience.

The University maintains an Office of Foreign Student Affairs at 310 Student Services Building. All foreign students should register with this office upon their arrival at the University. Special social programs for cultural exchange between foreign and American students are sponsored by various religious organizations, the Illini Union, the YMCA and YWCA, and other interested groups.

Financial Information

FEES AND EXPENSES

Tuition and fees, excluding \$42 per term hospital-medical-surgical fee, charged by the University for full-time graduate students are as follows (more information may be obtained from the Office of Admissions and Records, 100a Administration Building, Urbana, Illinois 61801) :

	Residents	Nonresidents
Semester	\$306	\$801
Summer Session	153	401

A single room in a University graduate dormitory costs at least \$710 per academic year (two semesters) and board contracts begin at \$694 per year. Private housing is also available. (For more information about housing availability and cost, write the Housing Division, 420 Student Services Building, University of Illinois, Urbana, 61801.) Books and equipment are estimated to cost \$110 for the academic year.

FELLOWSHIPS, ASSISTANTSHIPS, AND OTHER FINANCIAL AID

Financial aid at the graduate level is awarded on the basis of academic excellence and scholarly potential. The well-qualified student in library science is eligible for a variety of fellowships, assistantships, and other aid. The better the applicant's qualifications, the greater the likelihood of his being awarded one of these graduate stipends, and the larger the stipend.

FELLOWSHIPS AND TUITION WAIVERS

Departmental Fellowships. The following fellowships all carry stipends of \$1,500 and exemptions from tuition :

1. The Katharine L. Sharp fellowship was endowed in 1933 by the Library School Association as a memorial to the founder of the Graduate School of Library Science.
2. The Lois Wells Irwin fellowship was endowed in 1955 as a memorial to the woman who for thirty-two years was an active member of the Quincy (Illinois) Public Library Board of Directors.
3. The Eliza Luehm Latzer fellowship was endowed in 1965 by Mrs. Latzer's daughter, Mrs. Albert F. Kaeser.
4. The Robert Bingham Downs fellowship, provided each year by S. R.

and Anita R. Shapiro, is intended for a doctoral candidate with more than the usual interest in books.

University Fellowships. Annually the Graduate School of Library Science nominates a limited number of candidates for the campus-wide competition for University fellowships. The fellowships carry stipends of \$3,000 for eleven months and exemption from tuition and fees.

Tuition and Fee Waivers. The Graduate School of Library Science awards a number of tuition and fee waivers annually. These waivers exempt the recipients from all tuition and fees except the hospital-medical-surgical fee. They are worth \$2,018 a year to a full-time out-of-state student. Students who hold fellowships or grants from non-University sources are eligible to apply for tuition and fee waivers.

ACADEMIC APPOINTMENTS

Graduate Assistantships. The Graduate School of Library Science has several half-time and quarter-time graduate assistantships which are open to any graduate student. The half-time assistantship pays \$3,270 for nine months and \$728 for the summer session; the quarter-time assistantship pays \$1,635 for nine months and \$364 for the summer session. In addition, both include exemption from tuition. They are renewable for a second year. There are a limited number of part-time instructorships available to doctoral students.

Research Appointments. The Library Research Center has several research assistant and research associate positions open each year. These are generally half-time appointments for an eleven-month working year and carry tuition exemption. Half-time assistantships begin at \$3,750 and half-time associateships (doctoral students only) begin at \$4,500.

Library Assistantships. The University Library offers several half-time work assistantships to students in the Graduate School of Library Science. The salary is \$4,000 for half-time employment for eleven months, plus exemption from tuition.

AID FOR MEMBERS OF MINORITY GROUPS

Since 1969 the Graduate School of Library Science has provided a scholarship program in library science for members of minority groups. This financial aid program is designed to provide for the support of Negro, Chicano, or other minority group students who must, in general, meet the regular admission requirements of the library school.

This financial support may be in the form of fellowships or of half-time graduate or library work assistantships which are described above.

Students in this program may take up to two years to earn their degrees and may receive financial aid for two years.

OTHER FINANCIAL AID

Loan Funds. Veterans' benefits and student loan funds, including those supported by the National Defense Education Act, are administered by the University for students who need financial aid. For information and an application blank, write to Student Financial Aids, 420 Student Services Building, Urbana, Illinois 61801.

APPLICATION FOR FINANCIAL AID

Application for most fellowships and tuition and fee waivers must be made by February 15 for the following summer or fall semester. By Graduate School of Library Science regulation, an applicant must be cleared for admission to the graduate program before he can be considered for financial aid. Consequently, the new student intending to request financial aid should apply earlier for admission and for financial aid. He should have all the documents supporting his application for admission — letters of reference, transcripts, etc. — on file by mid-December at the latest. This gives the Graduate College and the Graduate School of Library Science time to process his application and clear him for admission before the February 15 deadline for financial aid applications. Fellowships are usually announced by April 1 and tuition and fee waivers in the spring or early summer.

Applicants who wish to be considered for assistantships should apply for June admission since they must complete Library Science 300 before beginning employment in the fall. Assistants are chosen by the library school faculty starting in late April, although some appointments will be made during the summer and perhaps in the fall. Half-time assistantship appointments are made by the University Library in late spring and early summer. (Students must apply to the Personnel Director, 305 Main Library.)

Foreign applicants are generally not eligible for consideration for financial aid in advance of their arrival.

Academic Programs

MASTER OF SCIENCE

GOALS AND OBJECTIVES

The goal of the Master of Science degree program is to graduate beginning librarians qualified to pursue successful careers in all types of professional work in all types of libraries.

The objectives of the program are: (1) to convey the fundamentals of librarianship including its social foundations; history; place, purpose and function in society; intellectual substance; disciplinary nature, and professional aspects; (2) to encourage the commitment to high standards of professional practice, professional conduct, professional responsibility, and professional service; (3) to enable graduates to anticipate and cope with rapid social and technological changes as they affect the library profession, and to help bring about and to promote changes that advance the profession; and (4) to prepare and encourage graduates to evaluate continuously the effectiveness of the library services they provide, to raise the levels of performance of these services, to develop new services, and always to relate the services of their libraries to the needs of the communities they serve.

APPLICATION AND ENTRANCE

The total enrollment of the Graduate School of Library Science is limited by the present facilities. Applicants for full-time study are considered and admitted, up to the limits of the school, in the order in which their papers are received. It is important that completed applications be on file early (as early as September of the year preceding the date of admission); applications will be considered up to one year in advance of proposed enrollment.

Applicants must submit the following material:

1. Graduate College Application form (yellow).
2. Personal Information Record (blue).
3. Status Intent and Professional Statement (green).
4. Three letters of reference in support of the application for admission (and financial aid).
5. Transcripts from all colleges and universities attended.
6. Results of the Graduate Record Examination taken within the last

five years. (The GRE is given five times a year and takes eight weeks to process.)

7. Applicants who wish to apply for financial aid must submit an Application for Graduate Appointment and/or a Personal History and Professional Experience form (the latter is for assistantships in the University Library).

RESIDENCE, LOAD, AND TIME LIMIT

For a master's degree, a student must complete ten units of graduate work. (Two of these units will be Library Science 300 — Foundations of Librarianship — a course offered in June and August by a teaching team of three instructors.) According to Graduate School of Library Science requirements, he must take at least eight of these units in library science while in residence at the University of Illinois at Urbana-Champaign. He must be in residence for at least one academic year or the equivalent. A student is considered in residence if he lives in the University community or its immediate environs and devotes the major part of his time to graduate study.

He may earn the other two units in a variety of ways. He may take up to two units of graduate-level coursework in library science through the Office of Continuing Education and Public Service. Subject to certain restrictions, he may transfer up to one unit of graduate-level coursework in library science from another ALA-accredited library school. He may take up to one unit of graduate-level coursework in a subject department at any campus of the University of Illinois or through the Office of Continuing Education and Public Service, with the consent of his adviser. After taking courses at the Graduate School of Library Science, he may transfer up to one unit of graduate-level coursework in a subject field taken at any institution of higher education which is accredited by a regional accrediting association. A student who takes one graduate course in a subject field from this University may also transfer one unit of credit from another accredited graduate library school. No one, however, may transfer more than one unit of graduate credit.

A unit is equal to four semester hours, and the normal full-time load is four units during the regular semester or two units during the eight-week summer session. Therefore, a student with a normal full-time load can complete his ten graduate units in two semesters and a summer, in five summers, or in one semester and three summers. A master's degree candidate must finish all work for his degree within five years after his first registration for graduate work.

Students holding a bachelor's degree may take the sixteen hours in education required for a school librarian. This would require one additional semester of full-time study, including practice teaching.

CURRICULUM

Generally each student, in consultation with a faculty adviser, plans his own program of study to suit his particular needs and purposes; no one graduate course other than Library Science 300 is required of all students.

GRADES

Graduate students are required to maintain a minimum grade-point average of 3.75 (on a 5.0 scale) to be certified by the Graduate College as eligible to receive an advanced degree. Under this regulation, a student could qualify for an advanced degree with six units of B grade and two units of C. The pass-fail option applies only to courses taken outside the library science curriculum. Units taken under the pass-fail option are not computed in the grade-point average.

All students must earn a grade of S (satisfactory) in Library Science 300; a grade of U (unsatisfactory) means the student cannot continue in the program.

SIXTH-YEAR DEGREE

The Graduate School of Library Science offers a sixth-year degree program for advanced students who wish to have an additional year of study in a special area of library science. The program leads to the Certificate of Advanced Study.

CURRICULUM AND OTHER REQUIREMENTS

To earn a sixth-year degree, a student must complete eight units of graduate coursework at the University of Illinois. Credit may not be transferred from other institutions. Within broad limits, the student plans his own curriculum to suit his special interests. He may take any of the library science courses for which he is qualified, other than duplicates of courses previously taken. He may take as many as four of the required eight units outside of the Graduate School of Library Science, in one or more other departments of the University. There are no foreign language requirements, no thesis, and no comprehensive examination.

The regulations governing residence, load, time limit, and grades are the same as those in the master's degree program.

DOCTOR OF PHILOSOPHY

GOAL OF THE PROGRAM

The goal of the doctoral program is to provide instruction and facilities toward (and to award a degree for) recognized achievement in the field of librarianship. This achievement is manifested in (1) a general understanding of the whole field of librarianship and of relevant research methodology, (2) competence in one of the specialized aspects of the field, and (3) a significant contribution to knowledge in the field. The doctoral program is essentially academic rather than vocational; its goal is not primarily one of providing preparation for a specific career, but of developing intellectual resources in the field of librarianship.

APPLICATION AND ENTRANCE

It is recommended that applicants have all papers supporting their application — letters of reference, transcripts — on file at least nine months before the intended date of registration.

PRELIMINARY STAGE

Graduate study at the doctoral level is divided into two main stages: the preliminary stage and the thesis stage. During the preliminary stage the student must take at least ten units of graduate courses (the equivalent of forty semester hours), satisfy the research tool requirement, and pass the preliminary comprehensive examination.

Coursework. The purpose of the doctoral level course requirements is to give the student a thorough grounding not only in his area of special interest but also in the other main areas of library science. Such preparation is necessary to enable the student to pass the preliminary examination, which may cover any aspect of librarianship, and to carry out the quality of research expected in his thesis study.

With the help of a faculty adviser assigned by the director, the student chooses his courses in light of his needs, interests, and probable choice of thesis topic. He must take at least ten units of graduate courses, of which at least six units must be chosen from the 400-level courses offered by the Graduate School of Library Science. Courses in statistical methods or foreign languages, taken to meet the research tool requirement, may not be counted as part of the ten units.

Each doctoral student must have a minor subject. At least two units must be taken in any one department outside of librarianship, and the

other two may be taken in a special field of library science (e.g., cataloging or reference), other than his thesis subject area.

Library Science 469 (Principles of Research Methods) and two half-unit sections of Library Science 460 A-D (Practicum in Research Methods) are required of all Ph.D. students. Library Science 469 requires an elementary knowledge of statistical methods. The student may take a basic statistics course simultaneously with Library Science 469, but it is preferable to take the statistics course in advance.

All doctoral students must maintain at least a 4.3 grade point average in order to be admitted to the preliminary examination.

Research Tool. A student in the Ph.D. program must demonstrate mastery of a research tool. Approval by the doctoral committee is required for other than a foreign language or statistics. The choice of research tool should be based on the type and nature of research the student expects to undertake for a thesis.

If he chooses the foreign language, he is expected to demonstrate a reading knowledge of French, German, or Russian (or any other foreign language if it is essential to his research). This knowledge can be demonstrated by passing the 401 course in the language, on this campus, with a grade of B or better, or by passing the examination in the language given periodically by the Educational Testing Service. Successful completion of a comparable course at another university or achieving a passing score on the ETS examination, within two years of a student's entrance into the doctoral program here, will be accepted.

If he chooses the statistics option, he is expected to pass a second or intermediate level course on statistical methods, with a grade of B or better, on this campus or at another university within two years of his entrance into the doctoral program here.

Doctoral Committee. At least two months before a student takes the preliminary examination, his doctoral committee must be appointed. This committee conducts the preliminary examination, as well as the final examination given upon the completion of the thesis.

The appointment is made by the dean of the Graduate College upon the recommendation of the director of the Graduate School of Library Science. The committee includes the student's adviser, usually as chairman, three other members of the library science faculty, and one representative from the minor field.

Preliminary Examination. The student is admitted to the preliminary examination at the end of the first stage of doctoral study, after all the above requirements have been met, and upon the recommendation of his

adviser. The examination is regularly scheduled once a semester, and is both written and oral. The written part consists of four three-hour sessions, and the oral part consists of one three-hour session. In both the written and oral parts, questions may cover any aspect of librarianship.

THESIS STAGE

Only upon fulfilling the above requirements to the satisfaction of his doctoral committee is the student admitted to the thesis stage of his doctoral work. During this stage, the student must register for at least eight units of thesis credit in Library Science 499 while conducting his research and writing his thesis. Upon completion of the thesis, the student must pass a final oral examination.

Thesis Proposal. During the first stage of doctoral work or at the beginning of the second stage, a student must submit a statement of his thesis topic and research plan. He prepares for this in part by taking Library Science 469 and other courses, in part by his own independent study and reading, and in part by consultation with his adviser. A majority of the faculty must approve the proposal. The proposed topic should represent a serious commitment on the part of the student as the subject on which he intends to do his thesis. If, however, he later wishes to change his topic he may do so but he must follow the same procedure for gaining faculty approval of the new topic.

Thesis. The thesis (or dissertation) is a demonstration of the student's ability to do independent and original research. The methodology may be experimental, case study, historical, or any other that is appropriate to the problem. The subject may be in any of the major substantive areas of library science and should seek to test a general relationship in this area. The student may find it necessary to apply concepts and methods from other fields such as sociology, economics, political science, history. The student works closely with at least two members of his committee on the design and execution of the research and on the successive drafts of the thesis report. When the two advisers are satisfied with the semifinal draft of the report, the candidate is admitted to the final examination.

Final Examination. The final examination is an oral examination of the candidate conducted by the candidate's doctoral committee. It is primarily on the research work of the student as embodied in his thesis report but it is not necessarily confined to that. It may cover any aspect of the candidate's field of study, including courses taken in other fields and at other institutions. The committee recommends any changes which may be necessary before the thesis is submitted for final approval.

PERIOD OF STUDY

Under normal conditions, a student can complete the preliminary stage in three semesters plus one summer of full-time study. If a student needs no preparation in order to meet the research tool requirement, or if he takes a heavier than normal course load, he could conceivably complete the preliminary stage in less time. On the other hand, if a student needs to take additional courses to make up for deficiencies in his background, or if he must work part time, his progress will be proportionately slower.

A doctoral thesis requires at least two semesters of full-time study and usually more than that. A doctoral student in his thesis stage of study must be continuously enrolled for credit in Library Science 499 until his thesis report is accepted. Under normal conditions, a student should not expect to get his degree in less than three years after enrolling in the doctoral program.

Time Limit. By Graduate College regulation, a student must complete all requirements for the doctorate within five years after his first registration in the program. If a student finds he will need more time, he may petition for an extension. The Graduate School of Library Science will recommend that the Graduate College extend this time limit only if the conditions seem to warrant such an extension. In no case, however, will a student's time be extended for more than two years.

If the thesis is not completed within five years of the date of the preliminary examination, the student must pass a second preliminary examination before he takes his final examination.

Residence. Each doctoral student is expected to be in residence at the University of Illinois at Urbana-Champaign throughout both stages of his doctoral work. A student is considered to be in residence only when he lives in the community or its immediate environs and devotes the major portion of his time to study.

DOCTOR OF LIBRARY SCIENCE

The Graduate School of Library Science offers a program of study leading to the degree of Doctor of Library Science. The D.L.S. is intended and designed to be a professional degree (comparable to the Doctor of Education in education), rather than a research degree as in the case of the Doctor of Philosophy. It is felt that more and more people need and can profit from advanced study in librarianship at the doctoral level, but many are not interested in mastering the research discipline required in the program for the Ph.D.

There are two main differences between the Ph.D. program and the D.L.S. program at this school. In the Ph.D. program a student must have at least ten units of graduate courses and pass the research tool requirement; a student in the D.L.S. program must take at least twelve units of graduate courses and is exempted from the research tool requirement. It is recommended but not required that the student in the D.L.S. program take Library Science 469 (Principles of Research Methods). The other main difference is that the Ph.D. program requires a research thesis, an independent and original study which seeks to test a general relationship; the D.L.S. program requires a doctoral project, a study which involves creative problem-solving but not necessarily original work in testing a general relationship. Possible examples of D.L.S. doctoral projects are a programmed text for a course in library science, the analysis of a set of library work procedures and the preparation and testing of a computer program for their automation, or a survey of a group of libraries.

In all other regards, the statements on the Ph.D. program (pages 19-22) apply equally to the D.L.S. program. For example, the admission requirements are the same for both programs, and students in both are considered equally for financial aid. Indeed, a student need not commit himself to one degree or the other until he applies to take the comprehensive preliminary examination or until he submits his thesis topic for faculty approval (whichever comes first). The time required to earn the D.L.S. is not likely to differ from that needed for the Ph.D. The intent is not to make one degree easier or harder than the other; the same standards apply to, and the same quality of work is expected of, students in both programs. Instead the hope is to offer two alternative routes for the student accepted for doctoral study, so that he may choose the one which is more nearly related to his own interests and needs.

THE INFORMATION SCIENCE CURRICULUM

The Graduate School of Library Science does not have a separate program in information science. Nevertheless, several courses in this field are offered, including two sections of Library Science 450, and it would be possible for a student to obtain a master's degree from the school with a specialization in the area of information science.

Basically, the curriculum contains two groups of courses, one dealing with information retrieval and the other with library automation. *Library automation* refers to the mechanization of the technical processes and the general housekeeping activities of libraries, including ordering and acquisitions procedures, circulation, serial records, and the production of

printed catalogs or catalog cards. *Information retrieval* relates more to the reference function of libraries and deals with the design of systems capable of retrieving documents in response to subject-related requests. Such systems may be mechanized, semimechanized, or purely manual.

Information science cannot be considered a completely self-contained discipline. It impinges on many other aspects of library science and related disciplines. Other courses in the school will be of great potential value to the person wishing to specialize in this field. Of particular relevance are the courses (Library Science 407 and 408) on cataloging and classification, especially the subject cataloging aspects of these courses. In addition, it is possible for the student to take related courses from other disciplines on campus in such departments as computer science, communications, and linguistics. An overall, integrated curriculum can be planned for the individual student, depending upon the particular aspects of information science in which he is most interested.

PROGRAM IN BIOMEDICAL LIBRARY SCIENCE

To obtain the M.S. degree with a specialization in biomedical library science, students should pursue a program of study designed to prepare them to perform effectively in a health sciences library or information service, e.g., a medical school library, a hospital library, a government agency, or a pharmaceutical library. The program of study includes courses in science reference materials (Library Science 412), cataloging and classification (Library Science 407), library administration (Library Science 405), medical literature and reference work (Library Science 439), information storage and retrieval (Library Science 429), library automation (Library Science 415), the measurement and evaluation of library services (Library Science 444), and biomedical practicum. A strong undergraduate background in the life sciences is desirable, although not essential, for entry into the program.

UNDERGRADUATE MINOR IN LIBRARY SCIENCE

Although the Graduate School of Library Science awards no undergraduate degrees, it does offer a series of courses at the undergraduate level. Some colleges and departments allow a full minor or a split minor in library science. Others suggest or allow library science courses as electives. A student interested in a library science minor should discuss the matter with the Graduate School of Library Science and with his major advisor during the second semester of his sophomore year. In this way, a course of study can be worked out that is most suitable to a student's interests.

A student interested in taking a minor in library science must register with the Graduate School of Library Science and be assigned an advisor before his first registration in the program. All library science minors must have at least junior standing at the time they enroll in their first library science course. The undergraduate minor consists of Library Science 300 (six semester hours) and up to five other 300 level library science courses each carrying three semester hours' credit. No more than two of these courses may be literature courses. Usually an undergraduate will take Library Science 300 in the fall semester of the junior year and will have three semesters in which to complete the other courses; however, certain courses may be taken concurrent with Library Science 300.

An undergraduate with a minor in library science from this school who chooses to go on for a master's degree in library science here must complete ten graduate units of coursework, three of which may be taken in areas other than library science.

Admission Requirements

MASTER OF SCIENCE

An applicant wishing to be considered for admission to the program leading to the Master of Science degree must have graduated from an accredited institution whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois.

In addition, applicants for the master's degree program will be evaluated and ranked according to a point system. Points will be given for the following:

1. Grade-point average (above 3.5 on a 5.0 scale), for the junior and senior years of the bachelor's degree or the last sixty semester hours if work has been done on the graduate level. Applicants with averages below 3.5 will not be accepted.
2. Scores on the two parts of the aptitude test of the Graduate Record Examination (taken within the last five years) which average above the fortieth percentile. The GRE is administered by the Educational Testing Service, Princeton, New Jersey 08540, and may be taken almost anywhere. Applicants with less than the fortieth percentile will not be accepted.
3. Foreign language study.
4. Completion of a sequence of courses (two semesters or three quarters) in any or all of the following areas: (1) science or mathematics, (2) social science, (3) humanities, (4) any area outside the applicant's major.
5. Paid library work experience (full-time or part-time).
6. Quality of the letters of reference.
7. Quality of content and grammar of the Professional Statement.

FOREIGN APPLICANTS

In addition to the above requirements, all applicants whose native language is not English must pass the Test of English as a Foreign Language (TOEFL) with a score of 585 or above. This score is higher than the Graduate College requires, since a prospective library school student must have this level of competence if he is to do well in his studies. The applicant can arrange to take the test in his own country and should plan to do this at least a year before he plans to begin the program.

Foreign applicants should preferably have one year of library work experience, and it is desirable that they have at least one year of study in a university where instruction is in English.

SIXTH-YEAR DEGREE

The minimum requirements for admission are as follows:

1. A fifth-year degree from an accredited library school.
2. At least two years of acceptable full-time library work experience since receipt of the fifth-year library science degree.
3. A grade-point average of at least 4.0 (on a 5.0 scale) in the fifth-year library science courses and a grade-point average of at least 3.75 in the last sixty hours of academic work other than in library school.
4. Satisfactory letters of reference from three people, including a library work supervisor, attesting to the applicant's character, ability, and capability for advanced study.
5. Submission of the applicant's score on the aptitude test of the Graduate Record Examination (GRE). No minimum score is required, but the test score should be no more than five years old at the time of application. The GRE is administered by the Educational Testing Service, Princeton, New Jersey 08540, and may be taken almost anywhere.

A foreign applicant whose native language is not English must pass the Test of English as a Foreign Language (TOEFL) with a score of 585 or above. Prospective students should meet the same application deadlines as for the master's degree program.

DOCTORAL PROGRAM

A student wishing to be considered for admission to the program leading to the Doctor of Philosophy or Doctor of Library Science degree must fulfill the following requirements. In admitting students to the program, however, every effort is made to assess the individual and his probable degree of success in the program, rather than relying solely on how well the applicant meets the formal requirements.

1. A master's degree from an accredited library school.
2. At least two years of acceptable full-time library work experience since receipt of the master's degree.
3. A grade-point average of at least 4.0 (on a 5.0 scale) in the fifth-year library science coursework, plus a grade-point average of at least 3.75 in the last sixty hours of non-library science coursework.
4. Submission of the applicant's score on the aptitude test of the Graduate Record Examination. The examination provides a measure of general scholastic ability at the graduate level, and is used to help evaluate the applicant's probability of success in the doctoral program. There is no

minimum score required; the test score should be no more than five years old at the time of application. The GRE is administered by the Educational Testing Service, Princeton, New Jersey 08540, and may be taken almost anywhere.

5. Satisfactory letters of reference from three people, including a library work supervisor, attesting to the applicant's character, education, and capabilities for research and productive scholarship. References should be from people who have an intimate knowledge of the applicant's professional capabilities.

6. An interview with at least two members of the Doctoral Committee of the faculty, preferably at Urbana.

In reviewing the applicants, the Doctoral Committee attempts to select those who seem eminently suited for the doctoral program in terms of education, professional accomplishment, and scholarly potential. Other things being equal, preference is given to those applicants who show evidence of being able to complete the doctoral program with the greatest efficiency. Continuous residence is required while pursuing the degree.

FOREIGN APPLICANTS

A foreign applicant whose native language is not English must pass the Test of English as a Foreign Language (TOEFL) with a score of 585 or above. He should also have had extensive experience in using English, in his job or in his previous education, but such experience does not exempt him from taking TOEFL as a requirement for admission to the Graduate School of Library Science.

Courses

The various courses and other instructional activities conducted by the Graduate School of Library Science are described below. Credit for graduate study is measured in units (a unit is the equivalent of four semester hours) and for undergraduate courses in semester hours. Where both units and hours are specified, the credit for graduate study involves additional assignments. All courses are usually offered at least once during the academic year.

FOR UNDERGRADUATES

199. Undergraduate Open Seminar. A special experimental seminar or independent study course intended to cover topics not treated by regular course offerings. Open to undergraduates at any level. May be repeated. Requests for activation of this course may be made by students or by faculty, and should be addressed to the director of the Graduate School of Library Science. While credit toward graduation is normally granted for this course, credit toward satisfying specific college or departmental requirements is contingent upon approval by the appropriate college or departmental committee. 0 to 9 hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

300. Foundations of Librarianship. The development of the library as an institution in relation to the society it serves, the operation and organization of libraries, building the library collection, types of reference tools, and the cataloging and classification of books and other materials; serves as an orientation to librarianship as a profession. 6 hours, or 2 units. Prerequisite: Consent of department. Staff.

301. Literature of the Humanities and Social Sciences. Introduction to the general characteristics of monograph and journal publication in the humanities and social sciences, with emphasis on how patterns vary from field to field and how library collections in these areas are developed, maintained, and used. 3 hours, or 1 unit. Prerequisite: Library Science 300, or consent of instructor. Schlipf.

302. Science Materials for Nonspecialists. Aims (a) to acquaint students with library materials in science and technology that serve the interests and needs of nonspecialist users of school, college, and public libraries, and (b) to develop proficiency in their selection, evaluation, and use for general reading and for reference work; centered around current interests and information needs of library users with limited technical backgrounds. 3 hours, or 1 unit. Prerequisite: Library Science 300, or consent of instructor. Bonn.

303. Library Materials for Children. Selection and use of library materials for children in public libraries and elementary school media centers, according to their needs in their physical, mental, social, and emotional development; deals with the standard selection aids for all types of print and nonprint materials and

develops the ability to select and describe children's materials according to their developmental uses. 3 hours, or ½ or 1 unit. Prerequisite: Library Science 300, or consent of instructor.

304. Library Materials for Young Adults. Evaluation, selection, and use of library materials for young adults in school and public libraries and community organizations, according to personal and curricular needs; studies selection sources for all formats of materials and explores techniques for utilization of materials. 3 hours, or ½ or 1 unit. Prerequisite: Library Science 300, or consent of instructor. Thomassen.

308. Audiovisual Services in Libraries. Designed to acquaint students with the nonprint media responsibilities of libraries; includes the evaluation, selection, and acquisition of software and hardware, the utilization of media in various types of libraries (by individuals and groups, in formal and informal programs), and the administration of integrated media collections (films, recorded sound, video, and exhibits). 3 hours, or 1 unit. Prerequisite: Library Science 300, or consent of instructor. Thomassen.

309. Storytelling. Fundamental principles of the art of storytelling including techniques of adaptation and presentation. Content and sources of materials; story cycles; methods of learning; practice in storytelling; planning the story hour for the school and public libraries, for recreational centers, for the radio, and for television. 3 hours, or ½ or 1 unit. Prerequisite: Consent of instructor.

310. Typographic Disciplines of the Book. Same as Journalism 310. The study of the book as a manufactured object, with emphasis upon practices and methods in continuous use from the Renaissance to the present, including typefaces, paper, binding, and illustration. Extensive practicum in the typographical laboratory. 3 hours, or ½ unit. Prerequisite: Consent of instructor.

354. Audio-Visual Communication. Same as Secondary Education 354 and Elementary Education 354. An analysis and application of those introductory aspects of communication theory and practices concerned with the design and use of audio-visual messages which influence the learning process. This course is also concerned with selection, utilization, production, and evaluation of audio-visual materials and selected technological aids. 3 hours, or ½ or 1 unit. Prerequisite: Senior or graduate standing.

FOR GRADUATES

402. Studies of Research in Reading. Designed to acquaint students with the major areas of research in the fields of reading. Special attention is given to studies of the interests and reading habits of children, youth, and adults, and their implications for library science. 1 unit.

405. Library Administration. Designed to supply knowledge of the internal organization of libraries and of the principles of library administration; emphasis on comparison of the conditions found in the several kinds of libraries and on applications of the general theory of administration. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Schlipf, Brown.

406. Media Programs and Service for Children and Young Adults. The role, problems, and needs of children's and young adults' library services in the school and public library. A two-day field trip is required; estimated expense, \$35. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Thomassen.

407. Cataloging and Classification, I. Theory and application of basic principles and concepts of descriptive and subject cataloging; emphasis on interpreting catalog entries and making a catalog responsive to the needs of users; provides beginning-level experience with choice of entries, construction of headings, description of monographs (and, to a lesser extent, of serial publications and non-print media), filing codes, Dewey and Library of Congress classification systems, and Library of Congress subject headings. Prerequisite: Library Science 300. Henderson.

408. Cataloging and Classification, II. More complex problems in making and evaluating the changing, modern library catalog; practical and administrative problems in cataloging serial publications, analytics, ephemeral materials, and microforms; deals with various nonprint media, rare books and manuscripts, foreign-language materials, and materials in special subject areas. Prerequisite: Library Science 407. Henderson.

409. Communication Roles and Responsibilities of Libraries. Mass media of communication are considered in terms of their relations with modern library services. Media organization, content, and research are reviewed; problems of intellectual freedom are considered as an aspect of communications behavior; and the potential role of electronic devices in library activities now and for the future is discussed. 1 unit.

410. Adult Public Services. The literature, history, and problems of providing library service to the general adult user; investigation of user characteristics and needs, and the effectiveness of various types of adult services. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Schlipf.

411. Reference Service in the Humanities and Social Sciences. Detailed consideration of the bibliographical and reference materials in various subject fields; training and practice in their use for solving questions arising in reference service. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Allen, Stevens.

412. Science Reference Materials for Specialists. Aims (a) to acquaint students with typical reference materials in science and technology that serve the information and research needs of specialist users of academic, technical, and research libraries, and (b) to develop proficiency in their selection, evaluation, and use; centered around characteristics and information needs of library users with considerable technical backgrounds. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Bonn.

415. Library Automation. Introduction to various types of equipment for handling information and providing services in libraries; study of applications to library operations; and introduction to systems planning, to automation concepts, and to computer use. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Divilbiss.

416. Advanced Library Automation. The development of computer programs for library technical processes such as circulation, acquisitions, serials control, cataloging, and the analysis of library computer networks and data bases. Includes seminar presentations based on individual research in automation topics. 1 unit. Prerequisite: Library Science 415. Divilbiss.

424. Government Publications. Aims to acquaint students with government publications, their variety, interest, value, acquisition, and bibliographic control,

and to develop proficiency in their reference and research use; considers publications of all types and all governments (local, national, international) with special emphasis on U.S. state and federal governments and on the United Nations and its related specialized agencies. 1 unit. Prerequisite: Library Science 411, 412, and consent of instructor. Bonn, Schlipf.

427. Resources of American Research Libraries. Acquaints students with the distribution and extent of American library resources for advanced study and research; spatial and financial aspects of library resources; methods of surveying library facilities; growth and use of union catalogs and bibliographical centers; interinstitutional agreements for specialization of collections and other forms of library cooperation; and the use of the research collection by the scientist and scholar. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Krummel, Stevens.

428. Library Buildings. A study of the library's physical plant in the light of changing concepts and patterns of library service. Present-day library buildings, both new and remodeled, are analyzed and compared with each other as well as with buildings of the past. The interrelationship of staff, collections, users, and physical plant is examined in detail. Class discussion is supplemented by visits to new libraries and conferences with their staffs. A two-day field trip is required; estimated expense, \$35. 1 unit. Prerequisite: Library Science 405, or consent of instructor. Allen.

429. Information Storage and Retrieval. Types of systems for storage and retrieval of documents and references; history of retrieval systems, their characteristics, evaluation, and factors affecting their performance, with special reference to modern computer-based systems; procedures in the dissemination of scientific and other information, major information centers, and services in the U.S. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Lancaster.

430. Advanced Reference. Designed to enable the student to utilize the varied resources of a large research library. Deals with the method of analyzing and solving bibliographic problems such as arise in scholarly libraries and in connection with research projects. 1 unit. Prerequisite: Library Science 411, 412, and consent of instructor. Allen, Stevens.

431. Books and Libraries in the Ancient and Medieval World. The development of writing and of the book in ancient and medieval times; book collecting and the growth of libraries from earliest times to the discovery of printing. 1 unit. Stevens.

432. Books and Libraries since the Renaissance. Same as Communications 432. The study of the developing format of the book, the history of printing, and the growth of libraries in Europe and America since the Renaissance. 1 unit. Krummel, Stevens.

433. Advanced Subject Bibliography. A study of the literature, information sources, and reference aids in various specialized fields of knowledge, identified as different sections of this course, and from the point of view of their use by librarians. No student may take more than two different sections for credit toward a degree. Section B: Biological Sciences; C: Chemistry; D: Education and Psychology; E: Engineering; G: Law; H: Maps; I: Music; K: Slavic Bibliography. ½ unit. Prerequisite: Library Science 411 or 412, or consent of instructor. Staff.

434. Library Systems. Considers the development of library systems, with special reference to public libraries, as a norm for the development of library ser-

vices. Library standards, the growth and development of county and regional libraries, the role of the state library and of federal legislation are among the topics treated in detail. 1 unit. Prerequisite: Library Science 405, or consent of instructor.

435. Library Services to Specialist Users. In-depth study of: goals and objectives, policy, and services of research-oriented libraries; characteristics and information needs of specialist users of these libraries; and effective library services that satisfy specialist user needs. Study based on actual library operations, according to subject interest of student. 1 unit. Prerequisite: Library Science 411 or 412. Bonn.

438. Administration and Use of Archival Materials. Administration of archives and historical manuscripts, with emphasis on the processing and research use of archival materials. 1 unit. Prerequisite: Consent of instructor. Brichford.

439. Medical Literature and Reference Work. Considers representative reference and bibliographical aids in medical sciences. Problems provide experience with typical medical reference sources. 1 unit. Prerequisite: Consent of instructor. Hirschfeld, Northup.

441. History of Children's Literature. Interpretation of children's literature from the earliest times including the impact of changing social and cultural patterns on books for children; attention given to the early printers and publishers of children's books and to magazines for children. 1 unit.

442. Seminar in Library Materials for Children and Young Adults. Advanced study of criteria for the evaluation of books and other media, including an individual project on a given theme or subject, involving extensive and critical reading, viewing, and listening. 1 unit. Prerequisite: Library Science 303 or 304, or consent of instructor.

443. Contemporary Book Publishing. Survey of twentieth-century book publishing, placing it in an economic, social, and literary context; emphasis on economic structure, the relationship of author and publisher, promotion, distribution, and the influence of the industry on librarianship. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Allen.

444. Measurement and Evaluation of Library Services. Methods and criteria for evaluating various facets of library service, including the collection, the catalog, document delivery capabilities, reference service, technical processes, and information retrieval operations; deals with cost-effectiveness considerations. 1 unit. Prerequisite: Library Science 300, or consent of instructor. Lancaster.

445. Vocabulary Control of Information Retrieval. The construction, characteristics, and application of controlled vocabularies for use in information retrieval systems. Covers a full range of vocabulary control possibilities from highly structured thesauri and classification schemes to natural-language (free text) searching. Special emphasis is placed upon the thesaurus and vocabulary control in computer-based systems. 1 unit. Prerequisite: Library Science 429.

450. Advanced Studies in Librarianship. Directed and supervised investigation of selected problems in library resources, reference service, research libraries, reading, public libraries, or school libraries. ½ unit to 2 units. Prerequisite: Fifth-year degree in library science, or consent of director. Staff.

460. Special Topics in Librarianship. An advanced seminar on topics of individual choice; presentation and criticism of written research reports based on

individual study on an advanced level. Open to doctoral students only. Practicum in Research Methods — Section A: Historical I; B: Survey; C: Observation; D: Experimental; E: Historical II. $\frac{1}{2}$ to 2 units. Prerequisite: Library Science 469, or consent of instructor. Staff.

465. Librarianship and Society. Analysis of the role and functions of libraries in the twentieth century. The changing characteristics of information and knowledge are viewed as major determinants of libraries' relations to society. 1 unit. Prerequisite: Master of Science in Library Science, or consent of instructor. Krummel.

468. Education for Librarianship. Designed for those interested in preparing for teaching library science at the graduate level. Current problems in library education are analyzed in terms of the historical background, the current situation, and possible solutions. 1 unit. Prerequisite: Master of Science in Library Science. Wert.

469. Principles of Research Methods. Designed for persons planning to engage in research. The course reviews significant investigations in the library field, and considers the use of hypotheses, the conduct of experiments, the nature of proof, and the employment of statistical methods, with a view to helping students develop their dissertations. Required of Ph.D. candidates. 1 unit. Prerequisite: Knowledge of the principles of statistics; Master of Science in Library Science, or consent of instructor. Goldhor.

499. Thesis Research. Individual study and research. Section A: M.S. candidates. 0 to 2 units. Section B: Doctoral candidates. 0 to 4 units. Staff.

COURSES OFFERED IN COOPERATION WITH THE COLLEGE OF EDUCATION TO MEET TEACHER-LIBRARIAN CERTIFICATION

Elementary Education 238. Educational Practice for Special Fields in Elementary Schools. A course in student teaching to meet requirements for certification in special fields at the elementary school level. 3 to 4 hours. Section Y, Library Science. Prerequisite: Consent of instructor. Thomassen.

Secondary Education 241. Technic of Teaching in the Secondary Schools. Methods of instruction. 3 to 5 hours. Section I, Library Science. Thomassen.

Secondary Education 242. Educational Practice in Secondary Education. A course in practice teaching to meet certification requirements for teaching in the secondary school. 2 to 5 hours. Section Y, Library Science. Prerequisite: Secondary Education 240, or Vocational Education 240; senior standing. Thomassen.

Faculty

HERBERT GOLDHOR, Professor of Library Science and Director of the Graduate School of Library Science



A.B., Dana College (now part of Newark College of Rutgers University); B.S., Columbia University School of Library Service; Ph.D., University of Chicago.

Mr. Goldhor has been Chief Librarian, Public Library of Evansville, Indiana, 1952-61; Assistant Professor, 1946-48, Associate Professor, 1948-52, Professor, Graduate School of Library Science, University of Illinois since 1962; Associate Director, Graduate School of Library Science, University of Illinois, 1962-63, and Director since 1963.

His fields of interest include research in librarianship and public library administration. Mr. Goldhor coauthored *Practical Administration of Public Libraries* with Joseph L. Wheeler.

ROBERT E. BROWN, Assistant Professor of Library Science and Assistant Director of the Graduate School of Library Science



B.S., M.S., Western Illinois University; Ed.D., University of Illinois.

Mr. Brown was a Teacher, Elvaston Elementary School, Elvaston, Illinois, 1955-56; Teacher, Forman Unit District, Manito, Illinois, 1957-59; Music Supervisor, LaHarpe Unit District, La Harpe, Illinois, 1959-64; Principal, Mansfield Unit District, Mansfield, Illinois, 1964-68; Instructor, 1969-70, Assistant to the Director, 1969-70, and has been Assistant Professor since 1970, and Assistant Director, Graduate School of Library Science, University of Illinois since 1971.

His major teaching field is library administration.

ROLLAND E. STEVENS, Professor of Library Science



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His teaching fields include book selection, reference in the social sciences and humanities, history of books and libraries, and resources of research libraries. His research interests are the evaluation of book collections of university libraries and information-seeking behavior of research workers. He has edited several monographs and periodicals. He is the author of *Reference Books in the Social Sciences and Humanities* (3d ed., 1971), and numerous articles and book reviews.

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Mr. Bonn was Librarian, Northwestern University Technological Institute, 1949-51; Associate Librarian, Rice Institute (Houston), 1951-53; Assistant (later Adjunct) Professor, Rutgers University Graduate School of Library Service, 1956-65; Professor (later Associate Dean) University of Hawaii Graduate School of Library Studies, 1965-67; Chief, Science and Technology Division, New York Public Library, 1958-64; Consultant and Visiting Professor in Japan, 1953-55, in Turkey 1955-56, and in India 1967-71; and has been Professor, Graduate School of Library Science, University of Illinois, since 1971.

His fields of interest include the literature of science and technology, and library education and development in Asian countries. He is the author of *Japanese Journals in Science and Technology*, "Literature of Science and Technology" in the *McGraw-Hill Encyclopedia of Science and Technology*; and is the editor of several books.

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Fellow (by thesis) of the Library Association of Great Britain; graduate of Newcastle upon Tyne School of Librarianship.

Mr. Lancaster was the Senior Research Assistant, ASLIB Cranfield Project, 1963; Head of the Systems Evaluation Group, Herner & Co., 1964-65; Information Systems Specialist, National Library of Medicine, 1965-68; Director of Information Retrieval Services, Westat Research, Inc., 1969; Associate Professor, 1970-72, and Professor, Graduate School of Library Science, University of Illinois, since 1972.

His fields of special interest are information storage and retrieval, medical libraries, and industrial libraries. He has authored *Information Retrieval Systems* (Wiley, 1968); *Vocabulary Control for Information Retrieval* (Information Resources Press, 1972); *Information Retrieval On-line* (Melville, 1973); and many reports and articles in the field of information science.

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A.B., Central College; University of Iowa; M.S., University of Illinois.

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Her fields of interest include library materials and services for children and young adults, and audio-visual services in libraries. She has been a member of the Audip-Visual Committee of ALA, the Board of the Teachers Section of the Library Education Division, and the Board of Directors of the Association of American Library Schools. Miss Thomassen is the editor of *Cooperation Between Types of Libraries* (1969), and an issue of *Illinois Libraries*. She directed two National Defense Education Act Institutes (1965, 1967) and a Higher Education Act Institute (1968-69) for school librarians.

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Her fields of interest include academic and research libraries, theological libraries, technical services, library automation, and information science. She has authored "Serial Cataloging Revisited" in *Serial Publications in Large Libraries* (1970), and edited *Trends in American Publishing* (1968), and *MARC Uses and Users* (1971).

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Mr. Allen was an Assistant at Williams College Library, 1949-50; a Reference Assistant at Northwestern University Library, 1951-52; and held a variety of positions at the Dayton and Montgomery County, Ohio, Public Library, 1953-68 (Cataloger, Assistant Head of the Catalog and Reference Departments, Head of Circulation, and Head of the Literature and Fine Arts Division). He was Visiting Instructor, Graduate School of Library Science, University of Illinois, Summer 1967; Assistant Professor, 1968-71; and has been Associate Professor since 1971.

His fields of interest include reference, book selection, publishing, and library buildings. He is a frequent reviewer for *Library Journal*, *American Reference Books Annual*, and other journals. Active in professional associations, he was (1972-73) Co-president of the Reference and Adult Services Division of ALA.

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Mr. Schlipf has been a Trainee, Chicago Public Library, 1964-65; Researcher, National Opinion Research Center, 1965-66; Instructor, University of Chicago Graduate Library School, 1966-70; and Assistant Professor, Graduate School of Library Science, University of Illinois, since 1970.

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Index

- Academic appointments, 14
- Admission
 - master's degree, 26
 - sixth-year degree, 27
 - doctor's degree, 27, 28
- Alumni Association, 11
- Application procedures for
 - financial aid, 13
 - master's degree, 16
 - doctor's degree, 19
- Assistantships, 13, 14
- Awards, 12

- Beta Phi Mu, 11
- Biomedical library science program, 24

- Calendar, 3, 4
- Careers in librarianship, 6, 7
- Certificate of Advanced Study, 18
- Colloquia, 10
- Continuing education, 10
- Course descriptions
 - for undergraduates, 29-30
 - for graduates, 29-34
- Course load, 17

- Degree requirements
 - undergraduate minor, 25
 - master's degree, 17
 - doctor's degree, 19
- Dissertation, 21
- Doctor of Library Science program, 22-23
- Doctor of Philosophy program, 19-22
- Doctoral degree programs, 19-23

- Entrance requirements
 - master's degree, 16
 - doctor's degree, 19
- Expenses, books, and supplies, 13

- Faculty and staff, 35-40

- Fees, 13
- Fellowships, 13
- Financial aid, 13-15
- Foreign student requirements, 12, 26, 28

- Graduate Record Exam, 26

- Housing, 13

- Information science curriculum, 24

- Learning Resources Laboratory, 9
- Librarian-in-residence program, 10
- Library assistantships, 14
- Library facilities, 8
- Library Research Center, 9
- Loans, 15

- Master of Science program, 16-18
- Minority group aid, 14

- Objectives
 - master's degree program, 16
 - doctor's degree program, 19

- Placement service, 9
- Preliminary exam (Ph.D.), 20, 21
- Profession of librarianship, 5
- Publications, 11

- Research appointments, 14

- Sixth-year degree program, 18

- Thesis (Ph.D.), 21
- Tuition, 13
- Tuition waivers, 13

- Undergraduate minor in librarianship, 25

- Windsor (Phineas L.) Lectures in Librarianship, 10

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